



USAG Stuttgart

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# Handbook for Waste Sorting

**OFF-POST**



**Handbook for Waste Sorting - Off-Post**

Counties of Böblingen, Esslingen, Ludwigsburg, and Stuttgart

Version February 2017

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# Introduction

Principles of **reduce, reuse, recycle** underlie policies established in Germany to foster sustainable materials management. The **Closed Substance Cycle and Waste Management Act**, first published in 1994, was designed to integrate product responsibility into economic decision-making in order to build a life-cycle economy and avoid the generation of waste.

The Act established a hierarchy of avoidance, recovery, and disposal that emphasizes waste avoidance in production, promotes low-waste products, and provides incentives for waste recovery practices.

Properly sorting waste into recyclable fractions:

- ⇒ Saves energy
- ⇒ Reduces air pollution
- ⇒ Decreases greenhouse gas emissions
- ⇒ Saves money

**Your participation is vital for the success of all recycling efforts!**

- REDUCE** the amount of trash discarded, e.g. choose products with less packaging. Choose loose fruit, cheese and meat. Buy products in glass jars and tins which can be recycled. Use "Bags for Life" available at supermarkets.
- REUSE** packaging materials, containers and products, e.g. give unwanted clothes, books, toys, and household items to friends or charities. Reuse old carrier bags when at the supermarket. Use both sides of a sheet of paper.
- RECYCLE** materials that can be reutilized, e.g., make use of your local recycling center. Recycle your garden waste at home in a composter. Close the loop, buy recycled products.

# Recycling at USAG Stuttgart

Recycling has become very important because disposal fees are rising and awareness of the value of the materials we use for packaging have increased. Waste has become a secondary raw material. We must all work together in order to comply with local Host Nation laws and U.S. Army regulations. Like it or not, garbage is everyone's business. We all generate it, handle it, and pay to dispose of it.

This booklet will inform you about the recycling program in your county. Your active participation is needed to make the program work. With this information, we hope you will better understand why we have to recycle as well as what items to recycle and the easiest way to go about recycling at your home.

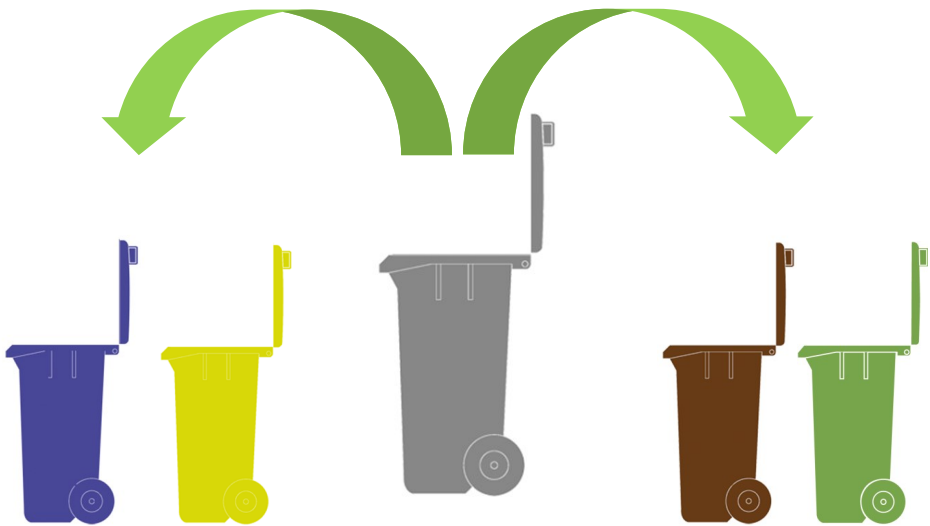
According to the USAG Stuttgart Policy Letter # 59, Illegal Dumping of Trash, it is prohibited to bring trash generated off-post onto US installations.



- ⇒ Take pride in our environment.
- ⇒ Participate and recycle!
- ⇒ Do it for our children's future,
- ⇒ And to bring credit to the U.S. Forces residing in our Host Nation!

# Who, What and How

- Who** Everybody must participate in recycling!
- What** All wastes which can be reused needs to be recycled, like paper, glass, metal cans and plastics.
- How** By separating and sorting your recyclable materials from your normal trash and placing them in the proper containers.



- ⇒ Theoretically, all types of waste are recyclable; unfortunately, in practice, it cannot yet be realized.
- ⇒ About 50% of average household waste is recyclable; in offices it is even more. The most important materials are paper and glass.

# Reduce - Tips for Waste Avoidance

Avoidance starts by thinking and observing. Think about what you need. Do you really *need* it, or is there a substitute which produces less or no waste?

You can control the amount of trash you have because most of it results from everyday shopping habits. That's why you should keep some basic tips in mind.

- ⇒ Take a reusable bag or basket with you when you go shopping; if you have to use a plastic bag, then use it as many times as you can.
- ⇒ Use returnable container systems.
- ⇒ Select unwrapped items. Choose ecologically sound, garbage-reducing products that can be recycled.
- ⇒ Avoid items that are double or triple packed with paper and plastic.

Avoid hazardous chemicals, they can harm the environment and that also means they are harmful to you and your family. Choose less hazardous or non-hazardous products whenever possible.

- ⇒ Some things are too good to throw away!
- ⇒ Friends or neighbors might be able to use them or you could sell them at a yard sale or flea market!

## **Avoid where possible:**

- |                                |                          |
|--------------------------------|--------------------------|
| ⊗ Paper/ plastic cups & plates | ⊗ Non-returnable bottles |
| ⊗ Paper napkins                | ⊗ Plastic bags           |
| ⊗ Disposable razors            | ⊗ Wrappings              |

# Reuse - Thrift Shop

Household goods, clothing, and other items no longer needed can be donated to the Patch Thrift Shop, which is operated by the Stuttgart Community Spouses' Club (SCSC).

All proceeds generated will go back to the community in form of scholarships, grants, and financial support for various groups and activities within the Stuttgart military community.

The Patch Thrift Shop is located on Patch Barracks in Building 2332.

## **Items not accepted:**

- ⊗ Mattresses & box springs
- ⊗ TV's
- ⊗ VHS & cassette tapes and players
- ⊗ Car seats & helmets
- ⊗ Drop-side cribs
- ⊗ Auto parts
- ⊗ Gasoline-powered items
- ⊗ Uniforms & military gear
- ⊗ Liquids & gas of any kind
- ⊗ Food

⇒ **The Thrift Shop reserves the right to refuse any item.**

Shop operating hours	
Mon	1000 - 1600 hrs
Tue	closed
Wed	1000 - 1600 hrs
Thu	1500 - 1900 hrs
Fri	1000 - 1600 hrs
1 <sup>st</sup> & 3 <sup>rd</sup> Sat	1000 - 1400 hrs



- ⇒ Donate during the SCSC Patch Thrift Shop operating hours.
- ⇒ Leaving items not accepted by the SCSC Patch Thrift Shop violates the Commander's policy regarding illegal dumping of trash. Violators are subject to penalty.
- ⇒ **Contact:** Phone - 0711 6805510

Mail - [patchthriftshop@gmail.com](mailto:patchthriftshop@gmail.com) OR USE [scsc.thriftliason@gmail.com](mailto:scsc.thriftliason@gmail.com)  
Web - [www.facebook.com/pages/SCSC-Patch-Thrift-Shop/163029133762979](https://www.facebook.com/pages/SCSC-Patch-Thrift-Shop/163029133762979)  
- [www.stuttgartspousesclub.org](http://www.stuttgartspousesclub.org)





## County of Böblingen

In the county of Böblingen, several containers are provided where the different types of waste can be collected and stored separately. Below you find an overview of the main waste streams and their associated containers. On the next pages every waste fraction is highlighted individually.

### Paper & Cardboard

Everything made out of paper and cardboard

⇒ Optional bin

⇒ Pick-up: monthly

No additional charges

### Orange Bin

Packaging materials, drink cartons, aluminium items

⇒ Optional bin

⇒ Pick-up: monthly

Charged  
(€3.50/pick-up)

### Red Bag *(placed inside the Orange Bin)*

Small electronic Scrap e.g., cell phones, CDs, ....

⇒ Optional

⇒ Pick-up: monthly

No additional charges

### Biodegradable Waste

Food leftovers, leaves, grass, twigs

⇒ Mandatory bin \*

⇒ Pick-up: bi-weekly

Charged  
(fixed annual fee)

### Glass

Bottles and jars

⇒ Public container

No charges

### Residual Waste

Everything not recyclable (no hazardous/ bulky things)

⇒ Mandatory bin

⇒ Pick-up: bi-weekly

Charged  
(depends on pick-ups & container size)

\* If you wish to maintain a composter, the biodegradable bin is not mandatory.

- ⇒ The recycling website of the County of Böblingen can be found under:  
[www.lrabb.de/Lde/start/Service+\\_Verwaltung/Abfallwirtschaft.html](http://www.lrabb.de/Lde/start/Service+_Verwaltung/Abfallwirtschaft.html)
- ⇒ Optional bins can be requested from the recycling company directly.
- ⇒ On pick-up day, place your waste container outside the evening prior or before 0600 hrs on the scheduled pick-up date. A mobile App can be found here:  
[http://www.lrabb.de/Lde/start/Service+\\_Verwaltung/App.html](http://www.lrabb.de/Lde/start/Service+_Verwaltung/App.html)
- ⇒ The pick-up schedule can be accessed under following link:  
[http://www.lrabb.de/Lde/start/Service+\\_Verwaltung/Abfuhrtermine.html](http://www.lrabb.de/Lde/start/Service+_Verwaltung/Abfuhrtermine.html)

## Recycling Centers

There are a total of 31 recycling centers, one in every community, with collection points/container for most materials. Below you find a selection with address and opening hours.

<b>Böblingen</b>	Mon - Fri	1000 - 1800
Schönaicher Straße 71	Sat	900 - 1500
<b>Böblingen-Hulb *</b>	Mon - Fri	1000 - 1800
Hanns-Klemm-Straße 31	Sat	900 - 1500
<b>Herrenberg-Kayh *</b>	Wed, Fri	1500 - 1800
Gipswerkstraße 19	Sat	900 - 1500
<b>Jettingen</b>	Wed, Fri	1500 - 1800
Hohenrainstraße 15	Sat	900 - 1500
<b>Leonberg</b>	Mon - Fri	900 - 1800
Bahnhofstraße 88	Sat	900 - 1500
<b>Renningen-Malmsheim</b>	Mon - Fri	730 - 1200
Erddeponie (at K1013)		1300 - 1630
	Sat	900 - 1500
<b>Waldenbuch-Steinenbronn</b>	Wed, Fri	1300 - 1800
Erddeponie (at L1208)	Sat	900 - 1500

\* Only recycling centers accepting hazardous waste

⇒ All waste can also be disposed directly at a recycling center with the exception of Biodegradable Waste and Residual Waste.

⇒ Further recycling centers can be found under following link:

[www.lrabbb.de/,Lde/start/Service+\\_+Verwaltung/Wertstoffhoefe.html](http://www.lrabbb.de/,Lde/start/Service+_+Verwaltung/Wertstoffhoefe.html)

## Paper & Cardboard

Producing paper from waste paper uses 70% less energy than is needed to make the same products from wood and the water consumption is cut by 98%. Recycled paper and cardboard can be used to make packaging, industrial paper, tissues, newspapers, and moulded cartons for eggs and fruit.



### **This includes:**

- ✓ Books
- ✓ Brochures
- ✓ Cardboard
- ✓ Catalogues
- ✓ Magazines
- ✓ Newspaper
- ✓ Office paper
- ✓ Paper packaging
- ✓ Boxes

### **This does not include:**

- ⊗ Coated paper
- ⊗ Dirty paper
- ⊗ Tissues
- ⊗ Paper towels/napkins
- ⊗ Wallpaper
- ⊗ Waxed paper
- ⊗ Drink cartons
- ⊗ Egg cartons

- ⇒ Please fold bulky materials such as cartons or boxes before putting into the container
- ⇒ Remove paper clips, adhesive tapes, plastics, and other packaging materials

### **Did you know that ...**

- ... 75% of each tree that is cut down for paper is not used in a paper product .
- ... Recycling a single run of the Sunday *New York Times* would save 75,000 trees.

## Orange Bin

Recycled plastic is used to make new bottles and containers, irrigation pipes and fleece jumpers. Aluminum is converted into cans and other products.



### ***This includes:***

- ✓ Mixed plastic wrapping
- ✓ Pots, cans, cups
- ✓ Aluminum items
- ✓ Drink cartons
- ✓ Plastic buckets & baskets
- ✓ Chopping boards
- ✓ Wooden toys
- ✓ Tools

### ***This does not include:***

- ⊗ Batteries
- ⊗ China, porcelain
- ⊗ Glass
- ⊗ Paper & Cardboard
- ⊗ Non-recyclable trash

⇒ Put small electronic items into red bag (see next page)

⇒ All recycling items do not have to be cleaned but have to be empty!

### **Did you know that ...**

... Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year!

... It takes up to 500 years to decompose plastic items in landfills.

## Red Bag

The red bags which are picked-up together with the Orange bin are for small electronics only. **Place it within the Orange bin.** The individual electronics are disassembled mechanically, harmful substances are removed and valuable noble metals are recovered and recycled into new products.



### ***This includes:***

Only **small** Electronic Scrap :

- ✓ Electric toys
- ✓ Hair dryers & shavers
- ✓ Cell phones, MP3 players
- ✓ Calculators, cameras
- ✓ CDs & DVDs

**Red Bags** are distributed at all Recycling Centers like in:

- ⇒ Böblingen-Hulb
- ⇒ Herrenberg-Kayh
- ⇒ Leonberg
- ⇒ Renningen-Malmsheim
- ⇒ Waldenbuch/ Steinbronn
- ⇒ Jettingen

**NOTE:** Place the **Red Bag** into the **Orange bin**.

### **Did you know that ...**

- ... Most electronics contain heavy metals and organic chemicals which have been proven to cause a variety of health hazards, including cancer if not recycled properly.
- ... Cell phones contain very high amount of precious metals such as silver and gold. Americans throw away approximately \$60 million worth of silver and gold per year.

## Biodegradable Waste

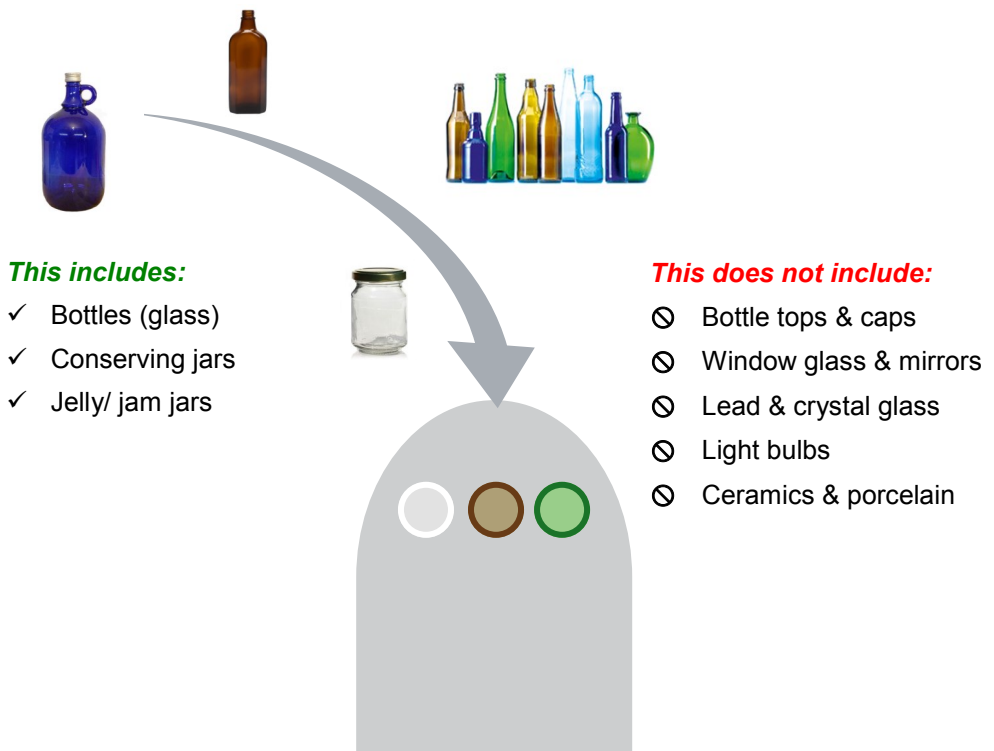
The container for biodegradable waste is solely for compostable waste from the kitchen and garden. It is turned into compost in large-scale compost plants and can be used as fertilizer. Bio waste is also used in large biogas plants for energy production. As a result, biodegradable waste is 100% recyclable.



- ⇒ Large pieces of wood do not go into the bin, they can be disposed at a recycling center.
- ⇒ Never use plastic bags, even if labeled as bio-degradable, decomposable or *Biobeutel*!
- ⇒ Line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with garden hose from time to time.
- ⇒ In the winter: place a sheet of newspaper on the bottom of your bin to prevent waste freezing to bottom.

## Glass

Glass is collected and sorted by color. Once melted down, it is remoulded back into the new bottles and jars. Recycling glass requires only 50% of the energy necessary to make glass from sand.



- ⇒ Drop off glass by color (clear/green/brown). All other colors go as green.
- ⇒ All glass jars must be empty.
- ⇒ Container locations can be found under following link:  
[http://www.lrabb.de/Lde/start/Service+\\_+Verwaltung/Standortuebersicht.html](http://www.lrabb.de/Lde/start/Service+_+Verwaltung/Standortuebersicht.html)

### Did you know that ...

... A 100 watt light bulb can be lit for 4 hours from the energy saved by recycling a glass bottle or power a PC for almost half an hour.

## Residual Waste

Some waste that cannot be recycled yet is called residual waste. The waste is collected for thermal treatment in waste incineration plants generating heat and electric power.



### **This includes:**

- ✓ Animal litter
- ✓ Ashes, dust, dirt
- ✓ Cigarette butts
- ✓ Diapers
- ✓ Dirty recyclable trash
- ✓ Porcelain, ceramics
- ✓ Vacuum cleaner bags
- ✓ Paper napkins & tissues
- ✓ Medical waste
- ✓ Bones
- ✓ Grease (only in containment)

### **This does not include:**

- ⊗ All types of packaging
- ⊗ Glass
- ⊗ Paper & Cardboard
- ⊗ Batteries
- ⊗ Hazardous waste
- ⊗ Metals

⇒ Keep the amount of residual waste as low as possible!

⇒ Put greasy and oily paper or cardboard (e.g. soiled pizza boxes, sandwich wrapping paper) into the residual waste bins, not into paper & cardboard bins.

### **Did you know that ...**

... During incineration harmful gases, particles, and heavy metals are emitted into the atmosphere. A reduction of residual waste benefits not only the environment but also human health!



## Hazardous Waste | Batteries

Hazardous waste poses a threat to human health and to the environment. Its disposal requires compliance with high environmental standards. Hazardous waste is to be disposed at the recycling centers while household batteries can also be dropped into special boxes which are located at all shops selling batteries.



### Important:

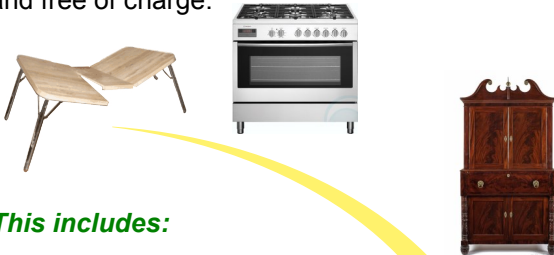
- ⇒ Hazardous waste can only be disposed at special recycling centers (see page 10)
- ⇒ Provide substances in original and labeled container!
- ⇒ Never mix different types of substances!
- ⇒ Used motor oil has to be returned to the shop where it has been bought.
- ⇒ Return car batteries at a recycling centers or at a shop in exchange of a new one.

### Did you know that ...

... One liter of waste oil contaminates one million liters of drinking water.

## Bulk | Large Electronics

Bulk waste and large electronics (max. 3 m<sup>3</sup>) are **picked-up upon request** (surcharge). The order is done either by phone or online. However, bulky waste these can also be brought **directly to the Recycling Center** at any time of the year and free of charge.



### ***This includes:***

Furniture, household items and bulky metal scrap too big for normal waste bins:

- ✓ Bedsteads & mattresses
- ✓ Couches & chairs
- ✓ Cupboards & carpets
- ✓ Tablets & cabinets
- ✓ Washing machines
- ✓ Ovens, BBQs
- ✓ Large electronics \*
- ✓ Air conditioners

### ***This does not include:***

- ⊗ Cardboard boxes
- ⊗ Residual Waste bags
- ⊗ Renovation work waste
- ⊗ Radiators & oil tanks
- ⊗ Small electronic scrap



\* Pick-up of large electronics such as washing machines, refrigerators, dish washers are charged additionally.

⇒ Pick-up is upon request with a lead time of around 3 weeks (charge of 20 €).

⇒ An express pick-up (within 3 working days) is charged additionally.

⇒ For pick-up call: **07031-6631-550**

⇒ Online: Request form under [www.awb-bb.de](http://www.awb-bb.de) or E-Mail to [awb-kis@lrabb.de](mailto:awb-kis@lrabb.de)

### **Did you know that ...**

... It takes 1.5 tons of water, 48 pounds of chemicals, and 539 pounds of fossil fuel to produce just one computer.

## Clothes & Shoes | Textiles

Wearable clothes and shoes and other textiles can be disposed in special containers often provided by non-profit-organization. Please pack all materials for donation in bags. Containers labelled with “AWB” are only for clothes and shoes. Containers by the “Red Cross” are also for other textiles.



- ⇒ Please use only those containers labeled by the “Red Cross” or with “AWB”.
- ⇒ Sometimes they are labeled as “Altkleider” and are only for clothes and shoes.
- ⇒ AWB container locations can be found under following link:  
[http://www.lrabb.de/Lde/start/Service+\\_+Verwaltung/Standortuebersicht.html](http://www.lrabb.de/Lde/start/Service+_+Verwaltung/Standortuebersicht.html)

### Did you know that ...

... 65% of all donated clothes are distributed as second-hand clothes. 30% are not wearable and are recycled into new fabrics while 5% are thermally recycled.

# County of Esslingen

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STADT ESSLINGEN AM NECKAR





## County of Esslingen

In the county of Esslingen, several containers are provided where the different types of waste can be stored separately and collected. Below you find an overview of the main waste streams and their associated containers. On the next pages every waste fraction is highlighted individually.

### Paper & Cardboard

Everything made out of paper and cardboard

⇒ Optional bin  
⇒ Pick-up: monthly

No additional charges

### Yellow bags

Packaging materials, aluminium cans

⇒ Optional  
⇒ Pick-up: bi-weekly

No additional charges

### Biodegradable Waste

Cooked & raw food, garden clippings

⇒ Mandatory bin \*  
⇒ Pick-up: weekly (Jun-Sep)  
bi-weekly (Oct-May)

Charged  
(depends on container size)

### Glass

Bottles, drinking glasses, jars

⇒ Public container

No additional charges

### Residual Waste

Everything not recyclable (no hazardous/bulk)

⇒ Mandatory bin  
⇒ Pick-up: bi-weekly

Charged  
(depends on pick-ups & container size)

\* If you wish to maintain a composter, the biodegradable bin is not mandatory.

- ⇒ Optional bins can be requested from recycling company directly.
- ⇒ On pick-up day, place your waste container outside the evening prior or before 0600 hrs on the scheduled pick-up date.
- ⇒ The recycling website of the County of Esslingen can be found under:  
[www.awb-es.de](http://www.awb-es.de)
- ⇒ The pick-up schedule can be accessed under following link:  
<http://www.awb-es.de/abfuhr/abfuhrtermine.html>



# Recycling Centers

There are several recycling centers, one in every community, with collection points/ container for most materials. Below you find a selection with addresses and opening hours.

<b>Recycling Center Katzenbühl, Esslingen</b> Stettener Straße between ES-Wäldenbronn & Stetten	Mon - Fri	900 - 1200
		1300 - 1645
	Sat	830 - 1230
<b>Recycling Center Blumentobel, Beuren</b> K 1243 at Tiefenbachtal between Nürtingen & Beuren	Mon - Fri	900 - 1200
		1300 - 1645
	Sat	830 - 1230
<b>Recycling Center Sielminger Straße</b> Sielminger Straße	Mon - Fri	900 - 1200
		1300 - 1645
	Sat	830 - 1230
<b>Recycling Center Esslingen</b> Hohenheimer Straße	Mon - Fri	1000 - 1230
		1330 - 1700
	Sat	900 - 1200
<b>Recycling Center Scharnhäuser Park</b> Ernst-Heinkel-Straße	Wed, Fri	1400-1700
	Sat	900 -1300
<b>Recycling Center Eichholz</b> Gutenhalde, between Bonlanden & Aich)	Mon, Wed, Fri	1300 - 1700
	Sat	830 - 1330
<b>Recycling Center Leinfelden</b> Benzstraße	Mon, Thu	1600 - 1800
	Sat	900 - 1200

⇒ All waste can also be disposed directly at a recycling center with the exception of Biodegradable Waste and Residual Waste.

⇒ Further recycling centers can be found under following link:

[www.awb-es.de/recycling.html](http://www.awb-es.de/recycling.html)

⇒ The timetable for the mobile hazardous waste collection can be found here:

[http://www.awb-es.de/abfallinfo/problemstoffe/\\_Problemstoffe.html](http://www.awb-es.de/abfallinfo/problemstoffe/_Problemstoffe.html)



## Paper & Cardboard

Producing paper from waste paper uses 70% less energy than is needed to make the same products from wood and the water consumption is cut by 98%. Recycled paper and cardboard can be used to make packaging, industrial paper, tissues, newspapers, and moulded cartons for eggs and fruit.



- ⇒ Please fold bulky materials such as cartons or boxes before putting into the container
- ⇒ Remove paper clips, adhesive tapes, plastics, and other packaging materials

### Did you know that ...

- ... 50kg of recycled newspaper save enough trees to produce sufficient amount of oxygen for two people.
- ... Recycling a single run of the Sunday *New York Times* would save 75,000 trees.

# Yellow Bags

Recycled plastic is used to make new bottles and containers, irrigation pipes and fleece jumpers. Aluminum is converted into cans and other products. Yellow bags can be obtained from recycling centers or city halls free of charge.



⇒ All recycling items do not have to be cleaned but have to be empty!

⇒ Pick-up schedule: [www.awb-es.de/abfuhr.html](http://www.awb-es.de/abfuhr.html)

**Did you know that ...**

... Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year!

... There is no limit to the amount of times an aluminum can be recycled.





# Biodegradable Waste

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. It is turned into compost in large-scale compost plants and can be used as fertilizer. Bio waste is also used in large biogas plants for energy production. As a result, biodegradable waste is 100% recyclable.

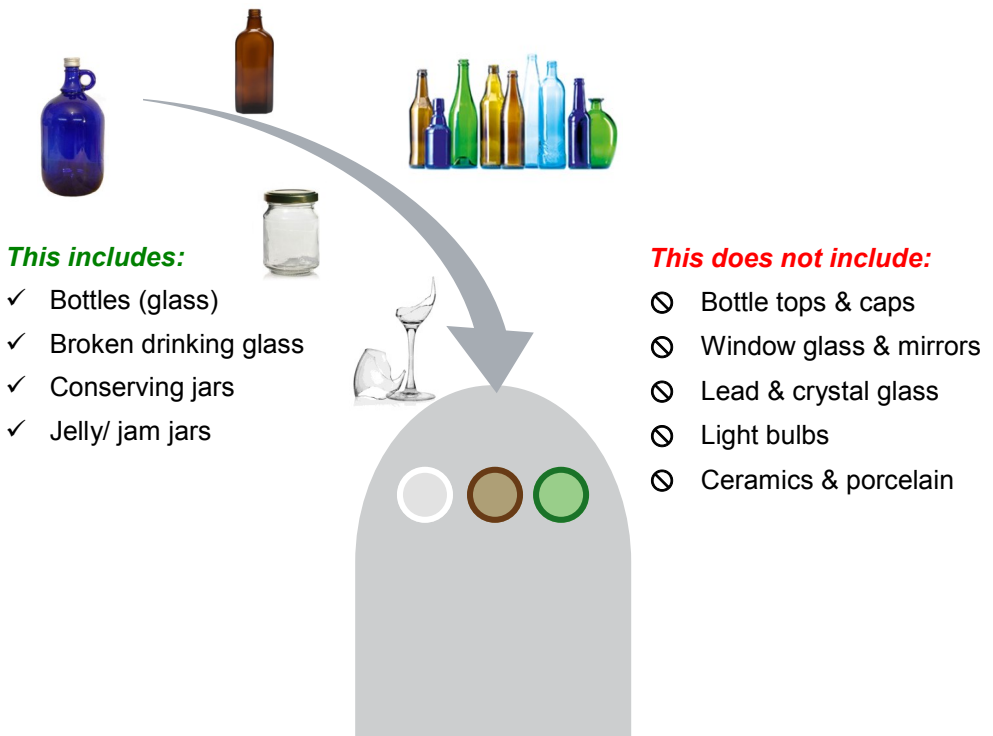


- ⇒ Large pieces of wood do not go into the bin, they can be disposed at a recycling center.
- ⇒ Never use plastic bags, even if labeled as bio-degradable, decomposable or *Biobeute!*
- ⇒ Line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with garden hose from time to time.
- ⇒ In the winter: place a sheet of newspaper on the bottom of your bin to prevent waste freezing to bottom.



# Glass

Glass is collected and sorted by color. Once melted down, it is remoulded back into the new bottles and jars. Recycling glass requires only 50% of the energy necessary to make glass from sand.



⇒ Drop off glass by color (clear/green/brown).

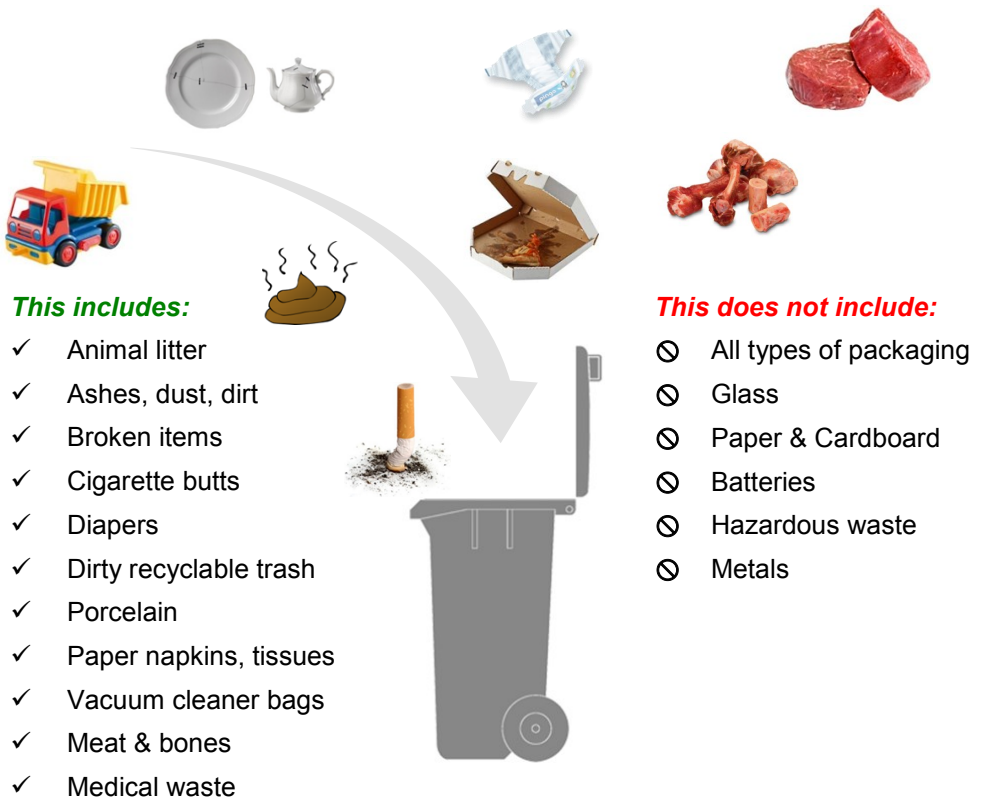
⇒ All other colors go as green.

⇒ All glass containers must be empty.



## Residual Waste

Some waste that cannot be recycled and turned into new products is called residual waste. The waste is collected for thermal treatment in waste incineration plants generating heat and electric power.



⇒ Keep the amount of residual waste as low as possible!

⇒ Put greasy and oily paper or cardboard (e.g. soiled pizza boxes, sandwich wrapping paper) into the residual waste bins, not into paper & cardboard bins.

### Did you know that ...

... During incineration harmful gases, particles, and heavy metals are emitted into the atmosphere. A reduction of residual waste benefits not only the environment but also human health!

# Hazardous Waste | Batteries

Hazardous waste poses a threat to human health and to the environment. Its disposal requires compliance with high environmental standards. Hazardous waste is to be disposed at a mobile collection point while household batteries can also be dropped into special boxes which are located at all shops selling batteries.



## Important:

- ⇒ Hazardous waste must be disposed at mobile hazardous waste collection points. Please check page 22.
- ⇒ Provide substances in original and labeled container!
- ⇒ **Never** mix different types of substances!
- ⇒ Car batteries are returned at a recycling centers or a shop in exchange of a new one



# Electronics

All electronic devices are to be disposed at a recycling center. The individual electronics are disassembled mechanically, and harmful substances are removed. The highly valuable materials such as noble metals are recovered and recycled into new products.



## ***This includes:***

- ✓ Electric toys
- ✓ Hair dryers & shavers
- ✓ Cell phones & MP3 players
- ✓ Calculators & cameras
- ✓ Dishwasher & video screens
- ✓ TV & computers
- ✓ Washing machines
- ✓ Microwave
- ✓ Air conditioners

Following Recycling Centers accept electronic scrap:

- ⇒ Katzenbühl
- ⇒ Sielminger Straße
- ⇒ Eichholz
- ⇒ Esslingen

⇒ Large electronics can also be picked-up together with bulk collection (additional charge per device, see next page) while direct disposal at a recycling center is free of charge.

## **Did you know that ...**

- ... Most electronics contain heavy metals and organic chemicals which have been proven to cause a variety of health hazards, including cancer if not recycled properly.
- ... Cell phones contain very high amount of precious metals such as silver and gold.

# Bulk Waste

Bulk waste is **picked-up upon request two times a year**. The order is done by requesting a waste pick-up using the disposal card (provided together with the pick-up schedule). However, bulky items can also be brought directly to the recycling center any time of the year free of charge.



⇒ Pick-up is upon request, 2 times a year, free of charge with a lead time of around 2 weeks.

⇒ Large electronics can also be picked-up together with bulk collection comprising an additional charge per device.

⇒ Bulk waste and large electronics can also be disposed directly at a Recycling Center.

⇒ For requesting a pick-up call: 0800-9312-526 or mail to [service-awb@lra-es.de](mailto:service-awb@lra-es.de)



## Clothes & Shoes | Textiles

Wearable clothes and shoes and other textiles can be disposed in special containers often provided by non-profit-organization. While some containers are only provided for clothes and shoes, others are meant also for other textiles. Please pack all materials for donation in bags.



- ⇒ Please use only those containers labeled by a non-profit-organizations.
- ⇒ Sometimes they are labeled as “Altkleider” and are only for clothes and shoes.

### Did you know that ...

- ... around 65% of all donated clothes are distributed as second-hand clothes.
- ... 30% are not wearable and are recycled into new fabrics while the remaining 5% are thermally recycled.

# County of Ludwigsburg

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## County of Ludwigsburg

In the county of Ludwigsburg, several containers are provided where the different types of waste can be stored separately and collected. Below you find an overview of the main waste streams and their associated containers. On the next pages every waste fraction is highlighted individually.

### Recyclable Waste *Round*

Packaging made of plastic, glass, or metals

⇒ Optional bin

⇒ Pick-up: monthly

No additional charges \*\*

### Recyclable Waste *Flat*

Paper/cardboard, plastic bags/foils

⇒ Optional bin

⇒ Pick-up: monthly

No additional charges \*\*

### Biodegradable Waste

Cooked & raw food, garden clippings

⇒ Mandatory bin \*

⇒ Pick-up: weekly (Apr-Sep)  
bi-weekly (Oct-Mar)

Charged \*\*  
(depends on pick-ups & container size)

### Residual Waste

Everything not recyclable (no hazardous/bulk)

⇒ Mandatory bin

⇒ Pick-up: bi-weekly

Charged \*\*  
(depends on pick-ups & container size)

\* If you wish to maintain a composter, the biodegradable bin is not mandatory.

\*\* There is an additional annual charge for waste disposal depending on individuals in the household.

⇒ Optional bins can be requested from recycling company directly.

⇒ On pick-up day, place your waste container outside the evening prior or before 0600 hrs on the scheduled pick-up date.

⇒ The recycling website of the County of Ludwigsburg can be found under:  
[www.avl-ludwigsburg.de/](http://www.avl-ludwigsburg.de/)

⇒ The pick-up schedule can be accessed under following link:

[http://www.avl-ludwigsburg.de/main.php?SID=d17ab262464e8d96762554d13b8d434f&set\\_id\\_menuue=8](http://www.avl-ludwigsburg.de/main.php?SID=d17ab262464e8d96762554d13b8d434f&set_id_menuue=8)



## Recycling Centers

There are a several recycling centers, one in every community, with collection points/container for most materials. Below you find a selection with address and opening hours.

<b>Recycling Center Neckartal</b> Neckartalstraße 10 71642 Neckarweihingen	Mon, Tue, Wed	900 - 1300 1430 - 1730
	Fri	900 - 1300 1430 - 1800
	Sat	900 -1400
<b>Recycling Center Wasserturm</b> Am Wasserturm 11 70806 Kornwestheim	Mon, Wed, Fri	900 - 1230 1400 - 1700
	Thu	900 - 1230 1400 -1800
	Sat	900 -1300
<b>Recycling Center Hofgut Mauer</b> Hofgut Mauer 70825 Korntal-Münchingen	Mon, Wed	1400 - 1700
	Tue, Thu	900 - 1200
	Fri	1400 - 1800
	Sat	900- 1300
<b>Recycling Center Tammerfeld</b> Maybachstraße 10 71634 Tammerfeld	Tue - Fri	900 - 1200 1300 - 1700
	Sat	900 - 1300
<b>Mobile Hazardous Waste Collection</b>		
A) Recycling Center Wasserturm	Once a month	900 -1300
B) Maybachstrasse, Wendeplatte, 71634 Ludwigsburg		

⇒ All waste can also be disposed directly at a recycling center with the exception of Biodegradable Waste and Residual Waste.

⇒ Further recycling centers can be found under following links:

[www.avl-ludwigsburg.de/main.php?SID=1c0efe9891c5751e130fe27ae6a5d2f6&set\\_id\\_menuue=33](http://www.avl-ludwigsburg.de/main.php?SID=1c0efe9891c5751e130fe27ae6a5d2f6&set_id_menuue=33)

⇒ Details to the Mobile Collection Truck can be found under following link:

[www.avl-ludwigsburg.de/main.php?SID=1c0efe9891c5751e130fe27ae6a5d2f6&set\\_id\\_menuue=10](http://www.avl-ludwigsburg.de/main.php?SID=1c0efe9891c5751e130fe27ae6a5d2f6&set_id_menuue=10)



## Recyclable Waste Round

Recycling is the process of separating, collecting and remanufacturing or converting used or waste products into new materials.



⇒ All recycling items do not have to be cleaned but have to be empty!

### Did you know that ...

... Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year!

... It takes up to 500 years to decompose plastic items in landfills.



## Recyclable Waste Flat

Recycling different products will help the environment as it preserves natural resources. It also takes less energy to process recycled materials than to process virgin materials.



### ***This includes:***

Clean things made of paper, plastic, or Styrofoam:

- ✓ Books & catalogs
- ✓ Newspapers, magazines
- ✓ Boxes & cardboards
- ✓ Paper bags
- ✓ Envelopes
- ✓ Plastic bags & foils
- ✓ Styrofoam
- ✓ Styrofoam chips (in bag)

### ***This does not include:***

- ⊗ Dirty paper
- ⊗ Hardcover
- ⊗ Packaging materials
- ⊗ Recyclable waste *Round*
- ⊗ Non-recyclable waste
- ⊗ Electronic scrap

### **Did you know that ...**

... 75% of each tree that is cut down for paper is not used in a paper product .

... Recycling a single run of the Sunday *New York Times* would save 75,000 trees.



## Biodegradable Waste

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. It is turned into compost in large-scale compost plants and can be used as fertilizer. Bio waste is also used in large biogas plants for energy production. As a result, biodegradable waste is 100% recyclable.



- ⇒ Large pieces of wood do not go into the bin, they can be disposed at a recycling center.
- ⇒ Never use plastic bags, even if labeled as bio-degradable, decomposable or *Biobeute!*
- ⇒ Line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with garden hose from time to time.
- ⇒ In the winter: place a sheet of newspaper on the bottom of your bin to prevent waste freezing to bottom.



# Residual Waste

Some waste that cannot be recycled and turned into new products is called residual waste. The waste is collected for thermal treatment in waste incineration plants generating heat and electric power.



⇒ Keep the amount of residual waste as low as possible!

⇒ Put greasy and oily paper or cardboard (e.g. soiled pizza boxes, sandwich wrapping paper) into the residual waste bins, not into paper & cardboard bins.

## Did you know that ...

... During incineration harmful gases, particles, and heavy metals are emitted into the atmosphere. A reduction of residual waste benefits not only the environment but also human health!



## Electronic Waste

All electronic devices are to be disposed at a recycling center. The individual electronics are disassembled mechanically, and harmful substances are removed. The highly valuable materials such as noble metals are recovered and recycled into new products.

**This includes:**

- ✓ Electric toys
- ✓ Hair dryers & shavers
- ✓ Cell phones, MP3 players
- ✓ Calculators, cameras
- ✓ Dishwasher & video screens
- ✓ TV & computers
- ✓ Washing machines
- ✓ Microwaves
- ✓ Air conditioners
- ✓ Fridges

⇒ All Recycling Centers accept electronic scrap

⇒ Pick-up is upon request, 2x per year (free of charge; application forms are sent to house hold annually)

⇒ Electronics can also be picked-up twice a year free of charge (use of bulk waste disposal card) while direct disposal at a recycling center is possible throughout the year. For pick-up request please call 07141-144-5656.

### Did you know that ...

- ... Most electronics contain heavy metals and organic chemicals which have been proven to cause a variety of health hazards, including cancer if not recycled properly.
- ... Cell phones contain very high amount of precious metals such as silver and gold.

# Hazardous Waste | Batteries

Hazardous waste poses a threat to human health and to the environment. Its disposal requires compliance with high environmental standards. Hazardous waste is to be disposed at the mobile collection truck while household batteries can also be dropped into special boxes which are located at all shops selling batteries.



\* Used motor oil has to be returned to the shop where it has been bought.

## Important:

- ⇒ Hazardous waste must be disposed at mobile hazardous waste collection. Please check page 34.
- ⇒ Provide substances in original and labeled container!
- ⇒ **Never** mix different types of substances!
- ⇒ Car batteries are returned at a recycling centers or a shop in exchange of a new one.





## Clothes & Shoes | Textiles

Wearable clothes and shoes and other textiles can be disposed in at the recycling centers. Please pack all materials for donation in bags.



### ***This includes:***

- ✓ Clothes
- ✓ Shoes (in pairs)
- ✓ Bed linen
- ✓ Household linen
- ✓ Table linen
- ✓ Woolen rugs & blankets

### **Did you know that ...**

... around 65% of all donated clothes is distributed as second-hand clothes.

... 30% are not wearable and are recycled into new fabrics while the remaining 5% are thermally recycled.



## Bulk Waste

Bulk waste is **picked-up upon request once a year**. The order is done either by phone, mail or online. However, these can also be brought directly to a Recycling Center any time of the year (twice a year) free of charge with the disposal card (provided through mail together with pick-up schedule).



### ***This includes:***

Furniture & household items too big for normal waste bins:

- ✓ Bedsteads, mattresses
- ✓ Couches & chairs
- ✓ Cupboards & carpets
- ✓ Tablets & cabinets
- ✓ Large toys
- ✓ Mirrors
- ✓ Scrap metals like bikes, pipes ect.

### ***This does not include:***

- ⊗ Cardboard boxes
- ⊗ Residual Waste bags
- ⊗ Renovation work waste
- ⊗ Radiators & oil tanks
- ⊗ Electronic scrap

- ⇒ Pick-up is upon request, once a year (free of charge, further pick-ups are charged). Bulk waste can also be disposed directly at a Recycling Center 2 times a year with the provided waste disposal card.
- ⇒ Scrap metals such as bikes, pipes, baby buggies, laundry rags, metal rags can be picked-up twice a year without extra charged (further pick-ups are charged).
- ⇒ For requesting a pick-up call: 07141-144-5656

# County of Stuttgart

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**Stuttgart**



## County of Stuttgart

In the county of Stuttgart, several containers are provided where the different types of waste can be stored separately and collected. Below you find an overview of the main waste streams and their associated containers. On the next pages every waste fraction is highlighted individually.

### Paper & Cardboard

Everything made out of paper and cardboard

⇒ Mandatory bin

⇒ Pick-up: 3-week interval

No additional charges

### Yellow bags

Packaging materials, aluminium cans

⇒ Optional

⇒ Pick-up: 3-week interval

No additional charges

### Biodegradable Waste

Food leftovers, leaves, grass, twigs

⇒ Optional bin

⇒ Pick-up: weekly

Charged  
(depends on pick-ups & container size)

### Glass

Bottles, drinking glasses, jars

⇒ Public container

No additional charges

### Residual Waste

Everything not recyclable (no hazardous/bulk)

⇒ Mandatory bin

⇒ Pick-up: bi-weekly/  
weekly \*

Charged  
(depends on pick-ups & container size)

\* Pick-up frequency can be changed from weekly to bi-weekly and vice versa.

⇒ Optional bins can be requested from recycling company directly.

⇒ On pick-up day, place your waste container outside the evening prior or before 0600 hrs on the scheduled pick-up date.

⇒ The recycling website of the County of Stuttgart can be found under:  
[www.stuttgart.de/abfall](http://www.stuttgart.de/abfall)

⇒ The pick-up schedule can be accessed under following link:  
[http://service.stuttgart.de/lhs-services/aws\\_kalender/](http://service.stuttgart.de/lhs-services/aws_kalender/)



## Recycling Centers

There are a several recycling centers, one in every community, with collection points/ container for most materials. Below you find a selection with addresses and opening hours.

<b>Recycling Center Hedelfingen</b>	Tue, Wed, Fri	0800 - 1200	1300 - 1600
Einödstraße 50	Thu	0800 - 1200	1300 - 1800
70329 S-Hedelfingen	Sat	0800 - 1300	
<b>Recycling Center Plieningen</b>	Tue, Wed, Fri	0800 - 1200	1300 - 1600
In den Entenäckern 3	Thu	0800 - 1200	1300 - 1800
70599 S-Plieningen	1 <sup>st</sup> & 3 <sup>rd</sup> Sat of the month	0800 - 1300	
<b>Recycling Center Vaihingen</b>	Tue, Wed, Fri	0800 - 1200	1300 - 1600
Liebknechtstraße 49/1	Thu	0800 - 1200	1300 - 1800
70565 S-Vaihingen	Sat	0800 - 1300	
<b>Recycling Center Weilimdorf</b>	Tue, Wed, Fri	0800 - 1200	1300 - 1600
Hemminger Straße 125	Thu	0800 - 1200	1300 - 1800
70499 Stuttgart	2 <sup>nd</sup> & 4 <sup>th</sup> Sat of the month	0800 - 1300	
<b>Recycling Center Münster</b>	Mo, Tue, Wed, Fri	0800 - 1200	1300 - 1600
Burgholzstraße 31/1	Thu	0800 - 1200	1300 - 1800
70376 S-Münster	Sat	0800 - 1300	

⇒ All waste can also be disposed directly at a recycling center with the exception of Biodegradable Waste and Residual Waste.

⇒ Further information on the recycling centers can be found under following link:  
<http://www.stuttgart.de/item/show/561712/1>



## Paper & Cardboard

Producing paper from waste paper uses 70% less energy than is needed to make the same products from wood and the water consumption is cut by 98%. Recycled paper and cardboard can be used to make packaging, industrial paper, tissues, newspapers, and moulded cartons for eggs and fruit.



### ***This includes:***

- ✓ Books
- ✓ Brochures
- ✓ Cardboard
- ✓ Catalogues
- ✓ Magazines
- ✓ Newspaper
- ✓ Office paper
- ✓ Paper packaging
- ✓ Boxes

### ***This does not include:***

- ⊗ Coated paper
- ⊗ Dirty paper
- ⊗ Tissues
- ⊗ Paper towels
- ⊗ Wallpaper
- ⊗ Waxed paper
- ⊗ Drink cartons

- ⇒ Please fold bulky materials such as cartons or boxes before putting into the container
- ⇒ Remove paper clips, adhesive tapes, plastics, and other packaging materials

### **Did you know that ...**

- ... 75% of each tree that is cut down for paper is not used in a paper product .
- ... Recycling a single run of the Sunday *New York Times* would save 75,000 trees.



## Packaging Materials

Recycled plastic is used to make new bottles and containers, irrigation pipes and fleece jumpers. Aluminum is converted into cans and other products.



- ⇒ All recycling items do not have to be cleaned but have to be empty!
- ⇒ Locations where Yellow bags are distributed are listed under following link:  
<http://www.stuttgart.de/img/mdb/item/7409/118587.pdf>

### Did you know that ...

- ... Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year!
- ... There is no limit to the amount of times an aluminum can be recycled.



## Biodegradable Waste

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. It is turned into compost in large-scale compost plants and can be used as fertilizer. Bio waste is also used in large biogas plants for energy production. As a result, biodegradable waste is 100% recyclable.



- ⇒ Large pieces of wood do not go into the bin, they can be disposed at a recycling center.
- ⇒ Never use plastic bags, even if labeled as bio-degradable, decomposable or *Biobeute!*
- ⇒ Line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with garden hose from time to time.
- ⇒ In the winter: place a sheet of newspaper on the bottom of your bin to prevent waste freezing to bottom.





## Glass

Glass is collected and sorted by color. Once melted down, it is remoulded back into the new bottles and jars. Recycling glass requires only 50% of the energy necessary to make glass from sand.



- ⇒ Drop off glass by color (clear/green/brown). All other colors go as green.
- ⇒ All glass containers must be empty.
- ⇒ Container locations can be found under following link: [www.stuttgart.de/altglas](http://www.stuttgart.de/altglas)

### Did you know that ...

... Glass can keep getting recycled since it never wears down.



## Residual Waste

Some waste that cannot be recycled and turned into new products is called residual waste. The waste is collected for thermal treatment in waste incineration plants generating heat and electric power.



⇒ Keep the amount of residual waste as low as possible!

⇒ Put greasy and oily paper or cardboard (e.g. soiled pizza boxes, sandwich wrapping paper) into the residual waste bins, not into paper & cardboard bins.

### Did you know that ...

... During incineration harmful gases, particles, and heavy metals are emitted into the atmosphere. A reduction of residual waste benefits not only the environment but also human health!



## Electronic Waste

All electrical devices are to be disposed at a recycling center. The individual electronics are disassembled mechanically and harmful substances are removed. The highly valuable materials are recovered and recycled into new products.



**This includes:**

- ✓ Electric toys/ devices
- ✓ Hair dryers & shavers
- ✓ Cell phones & MP3 players
- ✓ Calculators & cameras
- ✓ Dishwasher & video screens
- ✓ TV & computers
- ✓ Washing machines
- ✓ Microwave
- ✓ Air conditioners
- ✓ Light bulbs

⇒ All Recycling Centers accept electronic scrap

⇒ Pick-up of large electronics is upon request, 2x per year (free of charge; application forms are sent to households annually)

⇒ Large electronics (e.g. washing machine, fridge) can also be picked-up twice a year free of charge as bulk waste (use of bulk waste disposal card, see page 54). Small electronics will not be picked-up. However, all electronic materials can also be brought directly to the recycling centers anytime of the year free of charge.

### Did you know that ...

... Cell phones contain very high amount of precious metals such as silver and gold.



## Hazardous Waste | Batteries

Hazardous waste poses a threat to human health and to the environment. Its disposal requires compliance with high environmental standards. Hazardous waste is to be disposed at the mobile waste collection point while household batteries can also be dropped into special boxes which are located at all shops selling batteries.



### Important:

- ⇒ Provide substances in original and labeled container!
- ⇒ **Never** mix different types of substances!
- ⇒ Car batteries are returned at a scrap dealer or car workshop for a small fee
- ⇒ Date and location of Mobile Waste Collection can be found under following link:  
<http://www.stuttgart.de/problemstoffe>



## Clothes & Shoes | Textiles

Wearable clothes and shoes and other textiles can be disposed in special containers often provided by non-profit-organization. While some containers are only provided for clothes and shoes, others are meant also for other textiles.



### ***This includes:***

- ✓ Clothes
- ✓ Shoes (in pairs)
- ✓ Bed linen
- ✓ Household linen
- ✓ Table linen
- ✓ Woolen rugs & blankets

- ⇒ Please use only those containers labeled by a non-profit-organizations.
- ⇒ Sometimes they are labeled as “*Altkleider*” and are only for clothes and shoes.
- ⇒ Container locations can be found under following link: [www.stuttgart.de/altkleider](http://www.stuttgart.de/altkleider)

### **Did you know that ...**

- ... around 65% of all donated clothes are distributed as second-hand clothes.
- ... 30% are not wearable and are recycled into new fabrics while the remaining 5% are thermally recycled.



## Bulk Waste

Bulk waste is **picked-up upon request two times a year**. The order is done either by phone, mail with the disposal card attached (provided through mail together with pick-up schedule), or online. However, these can also be brought directly to Recycling Center any time of the year free of charge.



- ⇒ Pick-up is upon request, twice a year (free of charge with disposal card) with a lead time of 3-6 weeks.
- ⇒ An express pick-up is possible (lead time: 48 hrs) comprising an additional charge.
- ⇒ Bulk waste and large electronics can also be disposed directly at a Recycling Center two times a year (free of charge with waste disposal card).

# Waste Dictionary

<b>Abfall</b>	Waste
<b>Abfallbehälter</b>	Waste bin
<b>Abholkalender</b>	Pick-up schedule
<b>Altkleider</b>	Clothes
<b>Altreifen</b>	Tires
<b>Anmeldung</b>	Registration
<b>Bestellkarte</b>	Disposal card
<b>Energiesparlampe</b>	Energy-saving light bulb
<b>Entsorgungsstation</b>	Disposal point
<b>Gebühr</b>	Fee/charge
<b>Gefahrstoff</b>	Hazardous waste
<b>Gelber Sack</b>	Yellow bag
<b>Glas/Dosen</b>	Glass/cans
<b>Kühlgerät</b>	Refrigerator

<b>Landkreis</b>	County
<b>Leerung</b>	Pick-up
<b>Öffnungszeiten</b>	Opening hours
<b>Restmüll</b>	Residual Waste
<b>Sammlung</b>	Collection
<b>Schadstoffmobil</b>	Mobile Hazardous Waste Collection
<b>Schrott</b>	Scrap metal
<b>Selbstanlieferung</b>	Self-delivery
<b>Sperrmüll</b>	Bulk waste
<b>Tonne</b>	Bin/container
<b>Vermieter</b>	Landlord
<b>Verpackung</b>	Packaging
<b>Wertstoff</b>	Resource
<b>Wertstoffhof</b>	Recycling Center

# Contacts

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## **County of Böblingen**

Phone: 0703 1663 1550

Mail: awb@lrabb.de



## **County of Esslingen**

Phone: 0800 9312 526

Mail: service-awb@lra-es.de



STADT ESSLINGEN AM NECKAR

## **County of Ludwigsburg**

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LUDWIGSBURG

## **County of Stuttgart**

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Mail: poststelle.aws@stuttgart.de



**Stuttgart**

Booklet printed on 100 % recycling paper